

The listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A satellite digital radio broadcast receiver having an integrated circuit including a first reception series for performing a reception processing of a satellite wave signal from a satellite and a second reception series for performing a reception processing of a ground wave signal from a repeater in order to receive both the satellite wave signal and the ground wave signal having the same broadcast contents and different modulation methods, a total gain through the first reception series being different from a total gain through the second reception series, the satellite digital radio broadcast receiver comprising:

automatic gain control means for amplifying a signal from a single antenna at a variable gain amplifier, and in accordance with a level of a signal outputted from the variable gain amplifier, for controlling a gain of the variable gain amplifier to control the level of the signal outputted from the variable gain amplifier; and

a two-way distributor for distributing an output of the automatic gain control means to two distribution outputs,

wherein one of the two distribution outputs from the two-way distributor is supplied to said integrated circuit as an input signal to the first reception series, and the other of the two distribution outputs from the two-way distributor is supplied to the integrated circuit as an input signal to the second reception series, and

wherein the two-way distributor operates to distribute an input at a distribution ratio according to a gain of the difference between the total gain through the first reception series and a gain of the total gain through the second reception series.

2. (Canceled)

3. (Original) The satellite digital radio broadcast receiver according to claim 1, wherein the antenna is either an antenna for receiving the satellite wave signal or an antenna for receiving the ground wave signal.